



RECEIVED

NOV 14 2002

TECH CENTER 1600 2900

PATENT

Attorney Docket No.: 4228.410-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Byskov et al

Serial No.: 10/058,436

Group Art Unit: 1651

Filed: January 23, 2002

Examiner: To be assigned

Confirmation No: 5453

For: Regulation of Meiosis

CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

Commissioner for Patents
Washington, DC 20231

Sir:

I hereby certify that the attached correspondence comprising:

1. Information Disclosure Statement
2. Form PTO-1449
3. Copy of References

is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner for Patents
Washington, DC 20231

on November 7, 2002.

Dolly Kapadia _____
(name of person mailing paper)

Dolly Kapadia
(signature of person mailing paper)



RECEIVED

TECH CENTER 1600 2900 PATENT

Attorney Docket No.: 4228.410-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Byskov et al

Application No.: 10/058,436

Group Art Unit: 1651

Filed: January 23, 2002

Examiner: To be assigned

Confirmation No: 5453

For: Regulation of Meiosis

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

In accordance with 37 C.F.R. 1.56, 1.97 and 1.98, Applicants submit herewith references which they believe may be material to the patentability of this application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. 1.56.

While the references may be "material" under 37 C.F.R. 1.56, it is not intended to constitute an admission that the references are "prior art" unless specifically designated as such.

The filing of this Information Disclosure Statement shall not be construed as a representation that no other material references than those listed exist or that a search has been conducted.

The references are listed in Form PTO-1449 which is in accordance with the requirements of M.P.E.P. 609. A copy of the references is also enclosed. The references are as follows:

1. WO 96/00235
2. Andersen et al., Development and Function of Reproductive Organs, Proceedings of the Vth Workshop on the Development and Function of



- A.G. Byskov and H. Peters, eds., Elsevier, Amsterdam, Oxford, Princeton, pgs. 73-79 (1981)
3. Guoliang et al., 1994, Mol. Reprod. Dev. Vol. 39, pgs. 17-24
 4. Grinsted et al., Nordisk Medicin, Vol. 96, pgs. 280-281 (1981)
 5. Grinsted et al., Fertility and Sterility, Vol. 35, No. 2, pgs. 199-204 (1981)
 6. Byskov et al., Molecular Reproduction and Development, Vol. 34, pgs. 47-52 (1993)
 7. Byskov, Science, Vol. 212, pgs. 817-818 (1981)
 8. Byskov, Ann. Biol. Anim. Bioch. Biophys., Vol. 18, No. 2(B), pgs. 327-334 (1978)
 9. Westergaard et al., Zuchthyg. 20, pgs. 217-221 (1985)
 10. Nauck et al., Diabetologia, Vol. 36, pgs. 741-744 (1993)
 11. Tchernof et al., Coronary Artery Disease, Vol. 9, No. 8, pgs. 503-511 (1998)
 12. Parvinen et al., Annals New York Academy of Sciences, Vol. 383, pgs. 483-484 (1982)
 13. Byskov, 5th Annual Workshop on the Testis, Geilo, Norway, April 1978, Endocrine Approach to Male Contraception, International Journal of Andrology, Supplement 2 (1978), pgs. 29-38
 14. Grinsted et al., J. Reprod. Fert., Vol. 56, pgs. 653-656 (1979)
 15. Bagger et al., Sero Symposia Review. Development and Function of the Reproductive Organs, M. Parvinen, ed. Vol. 14, pgs. 193-201 (1988)
 16. Westergaard et al., Fertility and Sterility, Vol. 41, No. 3, pgs. 377-384 (1984)
 17. Westergaard et al., Fertility and Sterility, Vol. 44, No. 5, pgs. 663-667 (1985)
 18. Andersen et al., Human Reproduction, International Congress Series 551, Excerpta Medica, K. Semin and Mettler, eds., Elsevier, Amsterdam, Oxford, Princeton, pgs. 449-452 (1981)
 19. Byskov, Nature, Vol. 252, No. 5482, pgs. 396-397 (1974)
 20. Byskov et al., Ann. Biol. Anim. Bioch. Biophys., Vol. 19 (4B), pgs. 93 and 1252-1261 (1979)
 21. Andersen et al., Acta Endocrinologica 97: 374 (1981)
 24. Dolle et al., J. Am. Chem. Soc., Vol. 111, p. 278-284, (1989)
 25. Byskov et al., Nature, Vol. 374, p. 559-562, (1995)
 26. Pierce, H.D. et al., Biochim. Biophys. Acta, 529, pp. 429-437, (1978)
 27. Aoyama, Y. et al., Biochem. Biophys. Res. Commun., Vol. 85, No. 1, pp. 28-34, (1978).
 28. Ponsinet, G. et al., Bull. Soc. Chim. Fr., No. 593, pp. 3682-3684, (1965) (translation included).
 29. Gunasekera et al., Journal of Natural Products, Vol. 52, No. 4, pp. 757-761 (Jul.-Aug. 1989)
 30. Bouvier et al., Biochem. J., Vol. 159, pp. 267-271 (1976)
 31. Hansbury et al., Journal of Lipid Research, Vol. 21, pp. 921-929 (1980)
 32. Crosby et al., Chemical Communications, pp. 532-533 (1969)
 33. D. J. C. Carr et al., Eur. J. Biochem., Vol. 161, pp. 127-131 (1987)



35. Taylor et al., Fed. Proc. Vol. 39, Abstract 1574 (1980), p. 1904
36. Zhikhar et al., Vopr Pitan O(2) (1990), pp. 69-74 (English abstract)
37. Byskov et al., Developmental Biology, Vol. 52 (1976), pp. 193-200

It is respectfully requested that these references be considered by the Patent and Trademark Office in its examination of the above-identified application and be made of record therein. The Examiner is also invited to contact the Undersigned if there are any questions concerning this paper or the attached references.

The information disclosure statement submitted herewith is being filed **within** three months of the filing date of a national application or date of entry into the national stage of an international application or **before** the mailing date of a first Office action on the merits, or **before** the mailing date of a first Office action after the filing of a request for continued examination. 37 C.F.R. § 1.97(b). Therefore, no fee is due.

Date: November 6, 2002

Respectfully submitted,

Cheryl H. Agris, Reg. No. 34,086
Outside Counsel for Novo Nordisk
Pharmaceuticals, Inc.
100 College Road West
Princeton, NJ 08540
(609) 987-5800



23650

PATENT TRADEMARK OFFICE

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. Docket No. 4228.410-US

Serial No. To be assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Applicant Byskov et al

(Use several sheets if necessary)

Filing Date January 23, 2002

Group To be assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

RECEIVED

NOV 14 2002

TECH CENTER 1600 2900

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 96/00235	1/4/96					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Andersen et al., Development and Function of Reproductive Organs. Proceedings of the Vth Workshop on the Development and Function of the Reproductive Organs. Copenhagen, July 6-9. Excerpta Medica	
	A.G. Byskov and H. Peters, eds., Elsevier, Amsterdam, Oxford, Princeton, pgs. 73-80 (1981)	
	Guoliang et al., 1994, Mol. Reprod. Dev. Vol. 39, pgs. 17-24	
	Grinsted et al., Nordisk Medicin, Vol. 96, pgs. 280-281 (1981)	
	Grinsted et al., Fertility and Sterility, Vol. 35, No. 2, pgs. 199-204 (1981)	
	Byskov et al., Molecular Reproduction and Development, Vol. 34, pgs. 47-52 (1993)	
	Byskov, Science, Vol. 212, pgs. 817-818 (1981)	
	Byskov, Ann. Biol. Anim. Bioch. Biophys., Vol. 18, No. 2(B), pgs. 327-334 (1978)	
	Westergaard et al., Zuchthyg. 20, pgs. 217-221 (1985)	
	Nauck et al., Diabetologia, Vol. 36, pgs. 741-744 (1993)	
	Tchernof et al., Coronary Artery Disease, Vol. 9, No. 8, pgs. 503-511 (1998)	
	Parvinen et al., Annals New York Academy of Sciences, Vol. 383, pgs. 483-484 (1982)	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAtty. Docket No. **4228.410-US**Serial No. **To be assigned**INFORMATION DISCLOSURE
STATEMENT BY APPLICANTApplicant **Byskov et al**

(Use several sheets if necessary)

Filing Date **January 23, 2002**Group **To be assigned**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

RECEIVED

NOV 14 2002

TECH CENTER 160129.2

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Byskov, 5 th Annual Workshop on the Testis, Geilo, Norway, April 1978, Endocrine Approach to Male Contraception, International Journal of Andrology, Supplement 2 (1978), pgs. 29-38
		Grinstead et al., J. Reprod. Fert., Vol. 56, pgs. 653-656 (1979)
		Bagger et al., Sero Symposium Review: Development and Function of the Reproductive Organs, M. Parvinen, ed. Vol. 14, pgs. 193-201 (1988)
		Westergaard et al., Fertility and Sterility, Vol. 41, No. 3, pgs. 377-384 (1984)
		Westergaard et al., Fertility and Sterility, Vol. 44, No. 5, pgs. 663-667 (1985)
		Andersen et al., Human Reproduction, International Congress Series 551, Excerpta Medica, K. Semin and Mettler, eds., Elsevier, Amsterdam, Oxford, Princeton, pgs. 449-452 (1981)
		Byskov, Nature, Vol. 252, No. 5482, pgs. 396-397 (1974)
		Byskov et al., Ann. Biol. Anim. Bioch. Biophys., Vol. 19 (4B), pgs. 93 and 1252-1261 (1979)
		Andersen et al., Acta Endocrinologica 97: 374 (1981)
		Dolle et al., J. Am. Chem. Soc., Vol. 111, p. 278-284, (1989)
		Byskov et al., Nature, Vol. 374, p. 559-562, (1995)
		Pierce, H.D. et al., Biochim. Biophys. Acta, 529, pp. 429-437, (1978)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

FORM PTO-1449
(Rev. 2-78)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAtty. Docket No. **4228.410-US**Serial No. **To be assigned**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant **Byskov et al**Filing Date **January 23, 2002**Group **To be assigned**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

RECEIVED

NOV 1 1

TECH CENTER - 800 2900

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Aoyama, Y. et al., Biochem. Biophys. Res. Commun., Vol. 85, No. 1, pp. 28-34, (1978).
		Ponsinet, G. et al., Bull. Soc. Chim. Fr., No. 593, pp. 3682-3684, (1965) (translation included).
		Gunasekera et al., Journal of Natural Products, Vol. 52, No. 4, pp. 757-761 (Jul.-Aug. 1989)
		Bouvier et al., Biochem. J., Vol. 159, pp. 267-271 (1976)
		Hansbury et al., Journal of Lipid Research, Vol. 21, pp. 921-929 (1980)
		Crosby et al., Chemical Communications, pp. 532-533 (1969)
		Raederstorff et al., Eur. J. Biochem., Vol. 164, pp. 427-434 (1987)
		Robbins et al., Journal of Food Science, Vol. 42, No. 3 (1977), pp. 694-698
		Taylor et al., Fed. Proc. Vol. 39, Abstract 1574 (1980), p. 1904
		Zhikhar et al., Vopr Pitan O(2) (1990), pp. 69-74 (English abstract)
		Byskov et al., Developmental Biology, Vol. 52 (1976), pp. 193-200

EXAMINER

DATE CONSIDERED

EXAMINER: [Signature] DATE: [Signature]